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Product Information

MemDX™ Membrane Protein Human PCDHGB4 (Protocadherin gamma subfamily B, 4) Full Length

Cat. No.: **MPC3035K**
This product is for research use only and is not intended for diagnostic use.

This product is a made-to-order Human PCDHGB4 membrane protein expressed in HEK293. The protein is for research use only and is not approved for use in humans or in clinical diagnosis.

Product Specifications

Host Species
Human

Target Protein
PCDHGB4

Protein Length
Full length

Protein Class
Cell adhesion

TMD
1

Sequence
MGSGAGELGRAERLPVLFLFLLSLFCPALCEQIRYRIPEEMPKGSVVGNL
ATDLGFSVQELPTRKLRVSSEKPYFTVSAESGELLVSSRLDREEICGKKP
ACALEFEAVAENPLNFYHVNVEIEDINDHTPKFTQNSFELQISESAQPGT
RFILGSAHDADIGSNTLQNYQLSPSDHFSLINKEKSDGSKYPEMVLKTPL
DREKQKSYHLTLTALDFGAPPLSSTAQIHVLVTDANDNAPVFSQDVYRVS
LSENVYPGTTVLQVTATDQDEGVNAEITFSFSEASQITQFDLNSNTGEIT
VLNTLDFEEVKEYSIVLEARDGGGMIAQCTVEVEVIDENDNAPEVIFQSL
PNLIMEDAELGTHIALLKVRDKDSRHNGEVTCKLEGDVPFKILTSSRNTY
KLVTDAVLDREQNPEYNITVTATDRGKPPLSSSSSITLHIGDVNDNAPVF
SQSSYIVHVAENNPPGASISQVRASDPDLGPNGQVSYCIMASDLEQRELS
SYVSISAESGVVFAQRAFDHEQLRAFELTLQARDQGSPALSANVSLRVLV
DDRNDNAPRVLYPALGPDGSALFDMVPHAAEPGYLVTKVVAVDADSGHNA
WLSYHVLQASEPGLFSLGLRTGEVRTARALGDRDAVRQRLLVAVRDGGQP
PLSATATLHLVFADSLQEVLPDITDRPDPSDLQAELQFYLVVALALISVL
FLVAMILAIALRLRRSSSPASWSCFQPGLCVKSESVVPPNYSEGTLPYSY
NLCVAHTGKTEFNFLKCSEQLSSGQDILCGDSSGALFPLCNSSELTSHQQ
APPNTDWRFSQAQRPGTSGSQNGDDTGTWPNNQFDTEMLQAMILASASEA
ADGSSTLGGGAGTMGLSARYGPQFTLQHVPDYRQNVYIPGSNATLTNAAG
KRDGKAPAGGNGNKKKSGKKEKK

Product Description

Expression Systems

HEK293

Tag

Based on specific requirements

Protein Format

Detergent or based on specific requirements (Detergent, Liposome, Nanodisc, Polymer, VLP)

Form

Liquid

Storage

Aliquot and store at -20°C or lower. For long term storage, we recommend to store at -72°C or lower. Avoid freeze/thaw cycles.

Target

Target Protein

PCDHGB4

Full Name

Protocadherin gamma subfamily B, 4

Introduction

This gene is a member of the protocadherin gamma gene cluster, one of three related clusters tandemly linked on chromosome five. These gene clusters have an immunoglobulin-like organization, suggesting that a novel mechanism may be involved in their regulation and expression. The gamma gene cluster includes 22 genes divided into 3 subfamilies. Subfamily A contains 12 genes, subfamily B contains 7 genes and 2 pseudogenes, and the more distantly related subfamily C contains 3 genes. The tandem array of 22 large, variable region exons are followed by a constant region, containing 3 exons shared by all genes in the cluster. Each variable region exon encodes the extracellular region, which includes 6 cadherin ectodomains and a transmembrane region. The constant region exons encode the common cytoplasmic region. These neural cadherin-like cell adhesion proteins most likely play a critical role in the establishment and function of specific cell-cell connections in the brain. This particular family member is expressed in fibroblasts and is thought to play a role in wound healing in response to injury. Alternative splicing has been described for the gamma cluster genes.

Alternative Names

PCDHGB4; FIB2; CDH20; PCDH-GAMMA-B4; protocadherin gamma-B4; cadherin 20; fibroblast cadherin FIB2; fibroblast cadherin-2; Protocadherin gamma subfamily B, 4

Gene ID

8641

UniProt ID

Q9UN71

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